



## Complete Summary

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### TITLE

Diagnosis and management of asthma: percentage of adults with uncontrolled asthma who are on inhaled corticosteroids medication.

### SOURCE(S)

Institute for Clinical Systems Improvement (ICSI). Diagnosis and management of asthma. Bloomington (MN): Institute for Clinical Systems Improvement (ICSI); 2008 Jan. 69 p. [83 references]

## Measure Domain

### PRIMARY MEASURE DOMAIN

Process

The validity of measures depends on how they are built. By examining the key building blocks of a measure, you can assess its validity for your purpose. For more information, visit the [Measure Validity](#) page.

### SECONDARY MEASURE DOMAIN

Does not apply to this measure

## Brief Abstract

### DESCRIPTION

This measure is used to assess the percentage of adults with uncontrolled asthma who are on inhaled corticosteroids medication.

### RATIONALE

The priority aim addressed by this measure is to promote long-term control of asthma through the use of inhaled corticosteroid drug therapy.

### PRIMARY CLINICAL COMPONENT

Uncontrolled asthma; inhaled corticosteroids medication

### DENOMINATOR DESCRIPTION

Number of adults with uncontrolled asthma\* who were continuously enrolled for six months

\*Adults with a diagnosis code of 493.00, 493.01, 493.10, 493.11, 493.90, or 493.91.

## **NUMERATOR DESCRIPTION**

Number of adults in the denominator who have one or more prescriptions filled for inhaled anti-inflammatory corticosteroids medications

### **Evidence Supporting the Measure**

## **EVIDENCE SUPPORTING THE CRITERION OF QUALITY**

- A clinical practice guideline or other peer-reviewed synthesis of the clinical evidence

## **NATIONAL GUIDELINE CLEARINGHOUSE LINK**

- [Diagnosis and management of asthma.](#)

### **Evidence Supporting Need for the Measure**

## **NEED FOR THE MEASURE**

Unspecified

### **State of Use of the Measure**

## **STATE OF USE**

Current routine use

## **CURRENT USE**

Internal quality improvement

### **Application of Measure in its Current Use**

## **CARE SETTING**

Physician Group Practices/Clinics

## **PROFESSIONALS RESPONSIBLE FOR HEALTH CARE**

Physicians

## **LOWEST LEVEL OF HEALTH CARE DELIVERY ADDRESSED**

Group Clinical Practices

**TARGET POPULATION AGE**

Adults

**TARGET POPULATION GENDER**

Either male or female

**STRATIFICATION BY VULNERABLE POPULATIONS**

Unspecified

**Characteristics of the Primary Clinical Component**

**INCIDENCE/PREVALENCE**

Unspecified

**ASSOCIATION WITH VULNERABLE POPULATIONS**

Unspecified

**BURDEN OF ILLNESS**

Unspecified

**UTILIZATION**

Unspecified

**COSTS**

Unspecified

**Institute of Medicine National Healthcare Quality Report Categories**

**IOM CARE NEED**

Living with Illness

**IOM DOMAIN**

Effectiveness

## **CASE FINDING**

Users of care only

## **DESCRIPTION OF CASE FINDING**

Adults with uncontrolled asthma, continuously enrolled for six months

Data may be collected electronically using the pharmacy database, the claims/encounter database or the enrollment database.

It is suggested that data are collected quarterly.

## **DENOMINATOR SAMPLING FRAME**

Patients associated with provider

## **DENOMINATOR INCLUSIONS/EXCLUSIONS**

### **Inclusions**

Number of adults with uncontrolled asthma\* who were continuously enrolled for six months

\*Adults with a diagnosis code of 493.00, 493.01, 493.10, 493.11, 493.90, or 493.91.

### **Exclusions**

Unspecified

## **RELATIONSHIP OF DENOMINATOR TO NUMERATOR**

All cases in the denominator are equally eligible to appear in the numerator

## **DENOMINATOR (INDEX) EVENT**

Clinical Condition

## **DENOMINATOR TIME WINDOW**

Time window is a fixed period of time

## **NUMERATOR INCLUSIONS/EXCLUSIONS**

### **Inclusions**

Number of adults in the denominator who have one or more prescriptions filled for inhaled anti-inflammatory corticosteroids medications

**Exclusions**

Unspecified

**MEASURE RESULTS UNDER CONTROL OF HEALTH CARE PROFESSIONALS, ORGANIZATIONS AND/OR POLICYMAKERS**

The measure results are somewhat or substantially under the control of the health care professionals, organizations and/or policymakers to whom the measure applies.

**NUMERATOR TIME WINDOW**

Episode of care

**DATA SOURCE**

Administrative data  
Pharmacy data

**LEVEL OF DETERMINATION OF QUALITY**

Individual Case

**PRE-EXISTING INSTRUMENT USED**

Unspecified

**Computation of the Measure****SCORING**

Rate

**INTERPRETATION OF SCORE**

Better quality is associated with a higher score

**ALLOWANCE FOR PATIENT FACTORS**

Unspecified

**STANDARD OF COMPARISON**

Internal time comparison

**Evaluation of Measure Properties****EXTENT OF MEASURE TESTING**

Unspecified

## Identifying Information

### ORIGINAL TITLE

Percentage of adults with uncontrolled asthma who are on inhaled corticosteroids medication.

### MEASURE COLLECTION

[Diagnosis and Management of Asthma Measures](#)

### DEVELOPER

Institute for Clinical Systems Improvement

### ADAPTATION

Measure was not adapted from another source.

### RELEASE DATE

2005 Mar

### REVISION DATE

2008 Jan

### MEASURE STATUS

This is the current release of the measure.

This measure updates a previous version: Institute for Clinical Systems Improvement (ICSI). Diagnosis and outpatient management of asthma. Bloomington (MN): Institute for Clinical Systems Improvement (ICSI); 2005 Mar. 49 p.

### SOURCE(S)

Institute for Clinical Systems Improvement (ICSI). Diagnosis and management of asthma. Bloomington (MN): Institute for Clinical Systems Improvement (ICSI); 2008 Jan. 69 p. [83 references]

### MEASURE AVAILABILITY

The individual measure, "Percentage of Adults with Uncontrolled Asthma Who Are on Inhaled Corticosteroids Medication," is published in "Health Care Guideline:

Diagnosis and Management of Asthma." This document is available from the [Institute for Clinical Systems Improvement \(ICSI\) Web site](#).

For more information, contact ICSI at, 8009 34th Avenue South, Suite 1200, Bloomington, MN 55425; phone: 952-814-7060; fax: 952-858-9675; Web site: [www.icsi.org](http://www.icsi.org); e-mail: [icsi.info@icsi.org](mailto:icsi.info@icsi.org).

## **NQMC STATUS**

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